WHAT IS CLAIMED IS:

- 1. A magnetic recording medium for communication with a transducer moving relative to the recording medium along a line of relative transducer motion, comprising:
 - a substrate having a substrate surface;
 - a seed layer disposed on the substrate surface;
 - a soft magnetic underlayer disposed on the seed layer, the soft magnetic underlayer comprising a magnetic material having a magnetic moment larger than 1.7 teslas, the soft magnetic underlayer having a texture that provides a magnetic easy axis that has an easy axis alignment parallel to the line of relative transducer motion; and
 - a magnetic storage layer disposed on the soft magnetic underlayer.
- 2. The magnetic recording medium of Claim 1 further comprising a second seed layer deposited on the soft magnetic underlayer, and a second soft magnetic underlayer deposited on the second seed layer, forming a multilayer laminated soft magnetic underlayer structure.
- 3. The magnetic recording medium of Claim 1 wherein the recording medium comprises a disc, and the easy axis alignment is circumferential.
- 4. The magnetic recording medium of Claim 1 wherein the recording medium comprises a drum, and the line of relative transducer motion and the easy axis alignment are circumferential.
- 5. The magnetic recording medium of Claim 1 wherein the recording medium comprises a plate.

- 6. The magnetic recording medium of Claim 1 wherein the soft magnetic underlayer is free of 90° and 180° domain walls.
- 7. The magnetic recording medium of Claim 1 wherein the texturing maintains the easy axis alignment in the presence of an externally applied field.
- 8. The magnetic recording medium of Claim 1 wherein the texture provides a magnetic hard axis that has a hard axis alignment that is to the line of relative transducer motion.
- 9. The magnetic recording medium of Claim 1 wherein the seed layer comprises copper and has a concentrically textured seed layer surface that induces the texture of the soft magnetic underlayer.
- 10. The magnetic recording medium of Claim 1 wherein the seed layer comprises a seed layer material selected to reduce coercivity H_C in the soft magnetic underlayer, the seed layer material being selected from the group: copper, ruthenium, permalloy, copper/iridium-manganese, and tantalum/copper.
- 11. The magnetic recording medium of Claim 10 wherein an external magnetic field establishes the texture of the soft magnetic underlayer.
- 12. The magnetic recording medium of Claim 1 wherein the magnetic material has a magnetic moment that is at least 2.0 teslas.
- 13. The magnetic recording medium of Claim 1 wherein the magnetic material comprises Iron and Cobalt.

- 14. The magnetic recording medium of Claim 13 wherein the magnetic material comprises about 65 at% Iron and 35 at% Cobalt.
- 15. The magnetic recording medium of Claim 1 wherein the seed layer and the soft magnetic underlayer form a seeded double layer structure, and the seed layer has a thickness of about 5 nanometers and the soft magnetic underlayer has a thickness of about 50 nanometers.
- 16. The magnetic recording medium of Claim 1 wherein the seed layer and the soft magnetic underlayer form a seeded double layer structure, and the seed layer has a thickness of about 5 nanometers and the soft magnetic underlayer has a laminated structure of about 50 nanometers thick soft magnetic films separated with non-magnetic spacers.
- 17. The magnetic recording medium of Claim 1 wherein the seed layer and the soft magnetic underlayer form a seeded double layer structure, the soft magnetic underlayer is biased by an anti-ferromagnetic layer selected from the group of ruthenium and iridium-manganese.
- 18. A method of manufacturing a magnetic recording medium for communication with a transducer moving relative to the recording medium along a line of relative transducer motion, comprising:

providing a substrate having a substrate surface; depositing a seed layer on the substrate surface;

depositing a soft magnetic underlayer on the seed layer, the soft magnetic underlayer comprising a magnetic material having a magnetic moment larger than 1.7 teslas, the soft magnetic underlayer having a texture that provides a magnetic easy axis that has an easy axis alignment parallel to the line of relative transducer motion; and

depositing a magnetic storage layer on the soft magnetic underlayer.

- 19. The method of Claim 18 further comprising shaping the substrate into a disc aligning the easy axis in a circumferential direction on the disc.
- 20. The method of Claim 18 further comprising shaping the substrate into a drum, and aligning the easy axis in a circumferential direction on the drum.
- 21. The method of Claim 18 further comprising shaping the substrate into a plate.
- 22. The method of Claim 18 further comprising forming the seed layer from copper and aligning a seed layer texture with the line of relative transducer motion.
- 23. The method of Claim 18 further comprising selecting a seed layer material from the group: ruthenium, permalloy and tantalum-copper to reduce coercivity H_C in the soft magnetic underlayer.
- 24. The method of Claim 23 further comprising applying an external magnetic field to establishes the texture of the soft magnetic underlayer.
- 25. The method of Claim 18 further comprising selecting the magnetic material to have a magnetic moment that is at least 2.0 teslas.
- 26. The method of Claim 18 further comprising selecting the magnetic material to comprise Iron and Cobalt.
- 27. The method of Claim 18 wherein the magnetic material comprises about 65 at% Iron and 35 at% Cobalt.

- 28. The method of Claim 18 wherein the seed layer and the soft magnetic underlayer form a seeded double layer structure, and the seed layer has a thickness of about 5 nanometers and the soft magnetic underlayer has a thickness of about 50 nanometers.
- 29. A magnetic recording medium for communication with a transducer moving relative to the recording medium along a line of relative transducer motion, comprising:
 - a substrate, a seed layer disposed on the substrate; a soft magnetic underlayer disposed on the seed layer, the soft magnetic underlayer comprising a magnetic material having a magnetic moment larger than 1.7 teslas, and a magnetic storage layer disposed on the soft magnetic underlayer; and
 - means for texturing the soft magnetic underlayer to provide a magnetic easy axis that has an easy axis alignment parallel to the line of relative transducer motion.
- 30. The magnetic recording medium of Claim 29 wherein the recording medium comprises a disc, and the easy axis alignment is circumferential.
- 31. The magnetic recording medium of Claim 29 wherein the seed layer comprises copper and has a concentrically textured seed layer surface that induces the texture of the soft magnetic underlayer.
- 32. The magnetic recording medium of Claim 29 wherein the magnetic material has a magnetic moment that is at least 2.0 teslas.

33. The magnetic recording medium of Claim 29 wherein the magnetic material comprises Iron and Cobalt.